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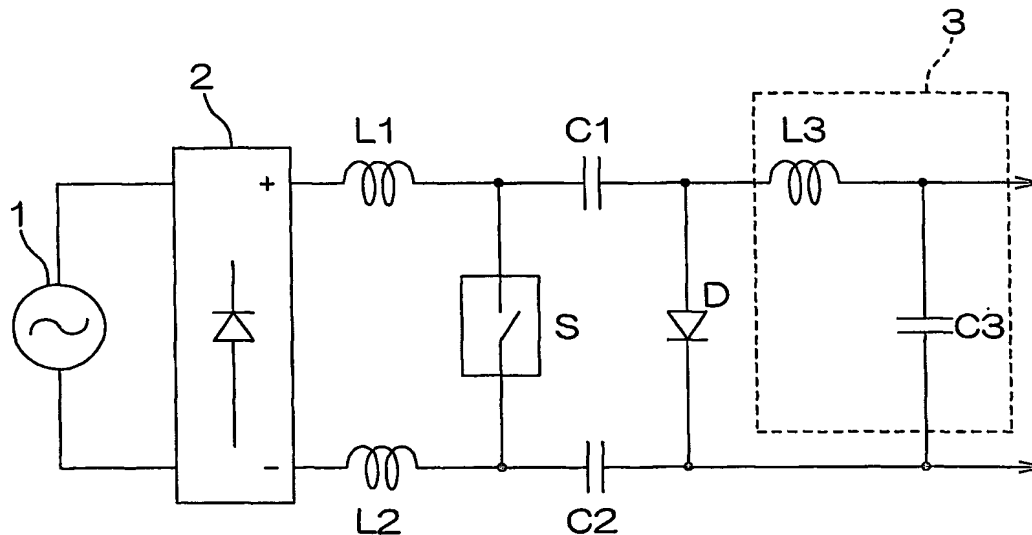
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(54) Title: CUK CONVERTER WITH INDUCTORS AND CAPACITORS ON BOTH POWER LINES



(57) Abstract: Inductors L1, L2 are respectively inserted in series at the positive and negative sides of lines for guiding a direct current supplied from an alternating current power supply 1 through a rectification circuit 2, or a direct current supplied directly from a direct current power supply, a switching element S is connected in parallel to the inductors L1, L2, and capacitors C1, C2 are respectively inserted in series between the positive-side inductor L1 and a load, and between the negative-side inductor L2 and the load. Even no transformer is used, not only insulation for a direct current but also insulation for an alternating current can sufficiently be ensured (Figure 1).

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